CVD1475 CVD1875 Condensing Unit Start Component Replacement

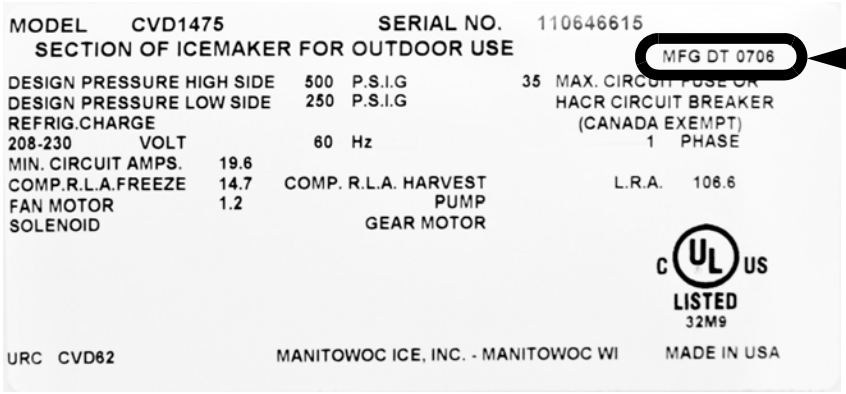
Only the two single phase CVD Condensing units listed in Table 1 below are affected by this communication.

The models listed in table 1 were manufactured with a standard duty (Type 2 rating) start capacitor, that is now replaced by a heavy duty (Type 1 rating) capacitor. The standard duty capacitor can fail prematurely when loose wire connections, burnt/pitted contactor contacts, marginally sized supply voltage wiring or a flucuating power supply are encountered.

Start capacitor identification:
Original start capacitor (type 2) was manufactured by Hartland.
Replacement start capacitor (type 1) is manufactured by Lucas.

Table 1:

Ice Machine Head Section Model Number	CVD Condensing Unit Model Number	Manufactured Date	Condensing Unit Voltage
QDUALC	CVD1875	10/5 through 4/07	208-230/60/1 or 230/50/1
Q1400C	CVD1475	1/06 through 4/07	208-230/60/1 or 230/50/1



Manufacture Date Year / Month
07 06

Ice machine exterior packaging label indicates Year and Week



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CVD1875

Only ice machines manufactured between 10/05 & 4/07 require start component replacement.

Order Replacement Parts

Order the following parts for single phase ice machines:

60hz

- Start capacitor - Part Number 8505133
- Run capacitor - Part number 000000028
- Potential relay - Part number 2007569

50hz

- Start capacitor - Part Number 8505133
- Run capacitor - Part number 000000028
- Potential relay - Part number 2007569

Component Replacement

1. Disconnect power, lock out/tag out the condensing unit.
2. Check the wire nut connections for the incoming power lines to condensing unit L1 & L2.
3. Remove start capacitor, run capacitor and potential relay and replace with the new components.
4. Test run the ice machine. Check voltage at start up. If the voltage drop is 5% or greater, check all wiring connections back to the power supply panel. Restart machine and check voltage drop - If the voltage drop is still exceeding 5% contact a qualified electrician to determine the cause.

CVD1475

Only ice machines manufactured between 1/06 & 4/07 require start component replacement.

Order Replacement Parts

Identify your compressor manufacturer (Condensing units manufacturered with Tecumseh compressors do not fall within the date code) and order the following parts for single phase ice machines:

Copeland CS24K6E Compressor

60hz

- Start capacitor - Part Number 8505133
- Run capacitor - Part Number 000000028
- Potential relay - Part Number 2007569

50hz

- Start capacitor - Part Number 8505133
- Run capacitor - Part Number 000000025
- Potential relay - Part Number 2007539

Component Replacement

1. Disconnect power, lock out/tag out the condensing unit.
2. Check the wire nut connections for the incoming power lines to condensing unit L1 & L2.
3. Remove start capacitor, run capacitor and potential relay and replace with the new components.
4. Test run the ice machine. Check voltage at start up. If the voltage drop is 5% or greater, check all wiring connections back to the power supply panel. Restart machine and check voltage drop - If the voltage drop is still exceeding 5% contact a qualified electrician to determine the cause.